Getting Started Guide

WAN Acceleration

SonicWALL WXA 500 Getting Started Guide

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Requirements / Prerequisites

The SonicWALL WXA 500 requires:

- A SonicWALL E-class NSA, NSA, or TZ security appliance with the latest 5.8.1.0-30o firmware.
- An unused interface on the SonicWALL NSA/TZ series appliance configured with a LAN Static IP address and a DHCP lease scope. Please refer to the *SonicWALL WXA Quick Start Guide* for more information.
- A PC with a Pentium 4 processor or higher with:
  - CD/DVD ROM bay
  - Minimum of 2 GB RAM
  - Minimum of 80 GB hard disk
  - Monitor and Keyboard
  - IDE Controller or SATA Controller with support for IDE Emulation

Customers with current service/software support contracts can obtain updated versions of SonicWALL firmware from the MySonicWALL customer portal at **https://www.mysonicwall.com**. Updated firmware is also available for free within 90 days of registering the SonicWALL device on MySonicWALL.

Deployment Considerations

- WFS Acceleration is supported in Install Mode only. (Not supported in Memory Mode)

Supported Network Cards

- Intel(R) PRO/1000
- Intel(R) PRO/100
- Ancient 3Com 3c501 Ethernet Card
- 3Com ISA EtherLink II, II/16 (3c503, 3c503/16)
- 3Com Etherlink III (3c509, 3c509B)
- 3Com 3c515
- 3Com 3c59x/3c9xx
- RealTek RTL-8139C+ series 10/100 PCI Ethernet
- RealTek RTL-8139 Fast Ethernet
- AceNIC/3C985/GA620 Gigabit Ethernet
- AMD8111 based 10/100 Ethernet

- Broadcom 4400 10/100 PCI
- Broadcom NetXtreme II BCM5706/5708
- D-Link DL2000-based Gigabit Ethernet Adapter
- Cabletron E2100 ISA
- Intel i82557/i82558/i82559 PCI EtherExpressPro
- Intel i82595 ISA EtherExpressPro10/10+
- SMC 83c170 EPIC Series Ethernet
- Racal-Interlan ES3210 EISA
- ICL EtherTeam 16i/32
- Myson MTD-8xx 100/10M Ethernet PCI Adapter
- Reverse Engineered nForce Ethernet
- Packet Engines 'Hamachi' GNIC-II Gigabit Ethernet
- HP CASCADE Architecture Driver for 100VG-AnyLan Network Adapters
- HP PC-LAN ISA
- HP PC-LAN+ ISA
- Intel(R) Gigabit Ethernet Network
- Mylex LNE390A/B EISA Ethernet
- Intel Panther Onboard i82596
- National Semiconductor DP8381x series
- PCI Ethernet Driver PCI NE2000
- NE3210 EISA Ethernet
- NE1000/NE2000 ISA/PnP Ethernet
- National Semiconductor DP83820 10/100/1000
- PCnet32 and PCnetPCI
- RealTek RTL-8169 Gigabit Ethernet
- SiS sis190 Gigabit Ethernet
- SiS 900 PCI Fast Ethernet
- SysKonnect Gigabit Ethernet
- SMC Ultra32 EISA Ethernet
- SMC Ultra/EtherEZ ISA/PnP Ethernet
- Adaptec Starfire Ethernet
- Sundance Alta Ethernet
- Sun GEM Gbit Ethernet
- Sun HappyMealEthernet(HME) 10/100baseT Ethernet
- Broadcom Tigon3 Ethernet
- Driver for TI ThunderLAN based Ethernet PCI Adapters
- 3Com Typhoon Family (3C990, 3CR990, and variants)
- VIA Rhine PCI Fast Ethernet
- VIA Networking Velocity Family Gigabit Ethernet Adapter
- ISA Western Digital wd8003/wd8013 ; SMC Elite, Elite16 Ethernet
- Packet Engines Yellowfin G-NIC Gigabit Ethernet

Registering your SonicWALL WXA 500 LiveCD

You must register your SonicWALL WXA 500 LiveCD before first use. Registration is performed using the NSA/TZ appliance management interface. It is recommended that you also associate your WXA 500 LiveCD as a child to the managing NSA/TZ appliance. When registration is completed, the SonicWALL WXA appliance will be licensed and ready to use. This section contains the following subsections:

Creating a MySonicWALL Account *3*
Registering the WXA 500 Serial Number *4*
Associating the WXA 500 LiveCD *5*
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Creating a MySonicWALL Account

A MySonicWALL account is required for product registration. If you already have an account, continue to the *Registering, Associating, and licensing the WXA 500* sections. Perform the following steps to create a MySonicWALL account:

1. In your web browser, navigate to http://www.mysonicwall.com.
2. In the login screen, click the **Not a registered user? Register Now** link.

3. Complete the registration form, click **Register**.
4. Verify the information you entered is correct, click **Submit**.
5. In the confirmation screen, click **continue**.

Registering the WXA 500 Serial Number

To register your SonicWALL WXA 500 LiveCD, perform the following steps:

1. Log in to your http://www.mysonicwall.com account.

2. Navigate to the **My Products > Register Product** page.

3. Enter you **Serial Number**, **Friendly Name**, **Product Group**, and **Authentication Code**.
4. Click the **Submit** button.

You have successfully registered your SonicWALL WXA 500 LiveCD.

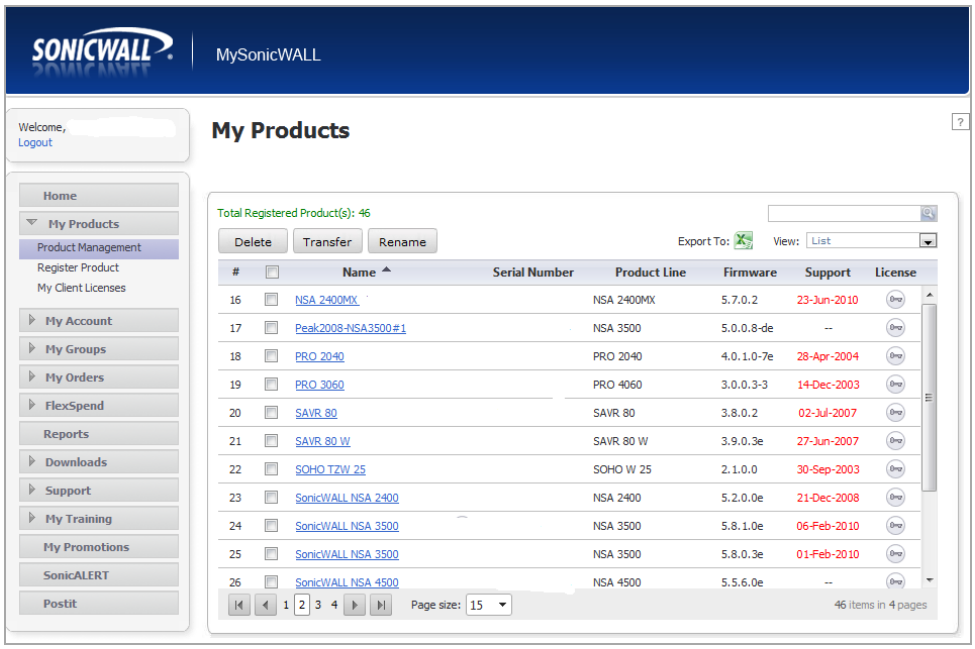
Associating the WXA 500 LiveCD

Note: It is highly recommended that you associate the WXA 500 LiveCD with the managing NSA/TZ appliance.

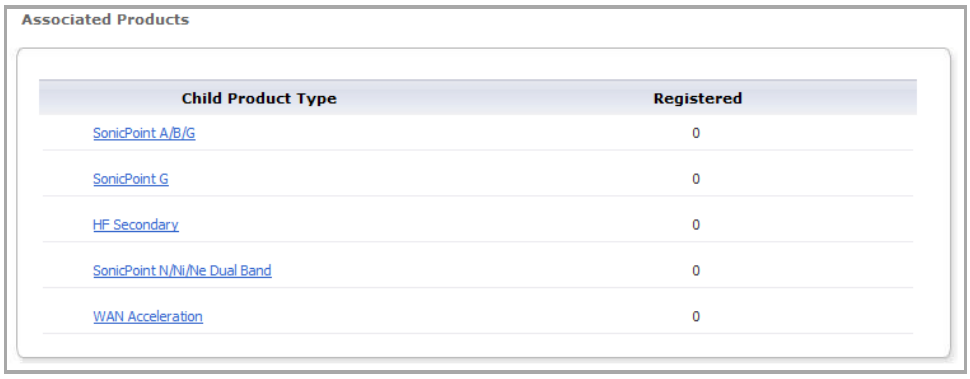
To associate the SonicWALL WXA 500 LiveCD as a child to your NSA/TZ appliance, perform the following steps:

1. Log in to your http://www.mysonicwall.com account.

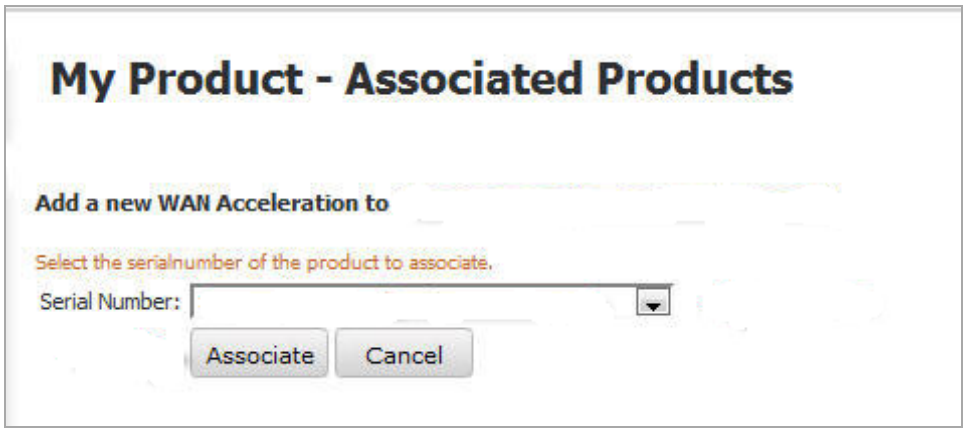
2. Navigate to the **My Products > Product Management** page.



3. Click on the NSA/TZ appliance you are using to manage the SonicWALL WXA appliance. The Service Management page displays.
4. Under the Associated Products section, click WAN Acceleration.



The My Product > Associated Products page displays.



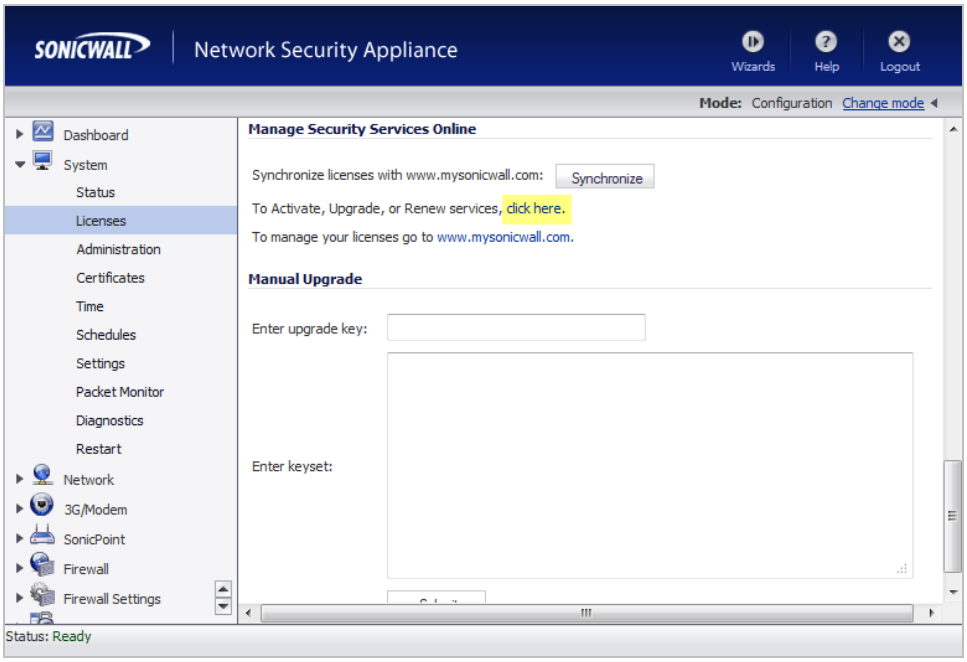
5. In the Serial Number drop-down list, select the serial number for the WXA 500 LiveCD.
6. Click the **Associate** button.

Your SonicWALL WXA 500 LiveCD is now associated with the managing NSA/TZ appliance.

Activating the WXA 500 License

To activate your SonicWALL WXA 500 LiveCD license, perform the following steps:

1. Log in to your SonicWALL NSA/TZ appliance.
2. Navigate to the **System > License** page.
3. Click the **click here** link to activate, upgrade, or renew services.

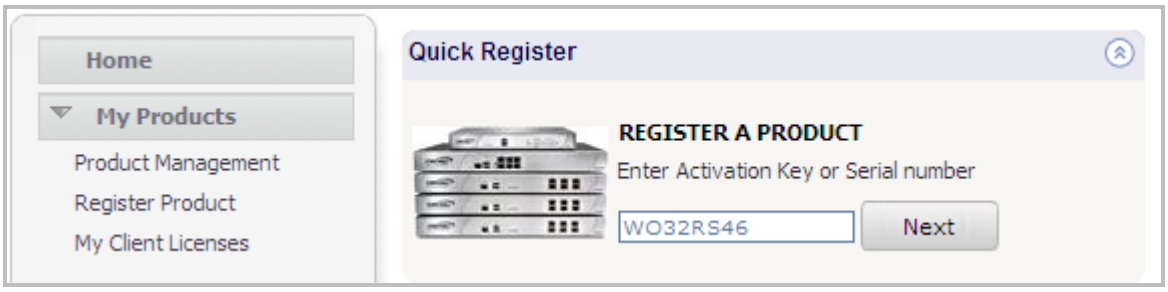


The License Management page displays.

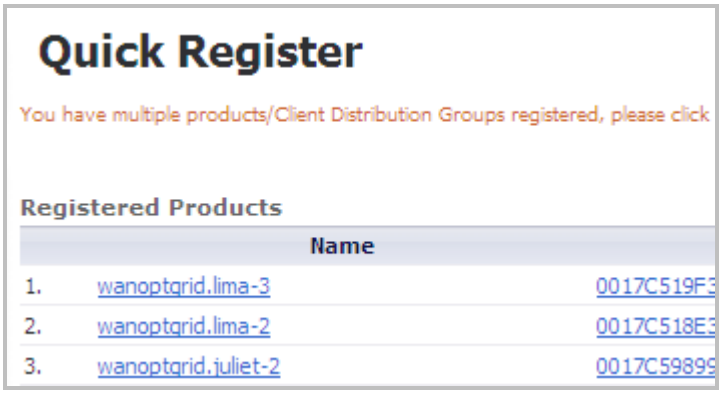
4. Enter your MySonicWALL.com account **Email Address** or **Username** and **Password** in the appropriate fields, click **Submit**.

The MySonicWALL.com home page displays.

5. Enter the **Activation Key** or **Serial Number** in the textbox, click **Next.**

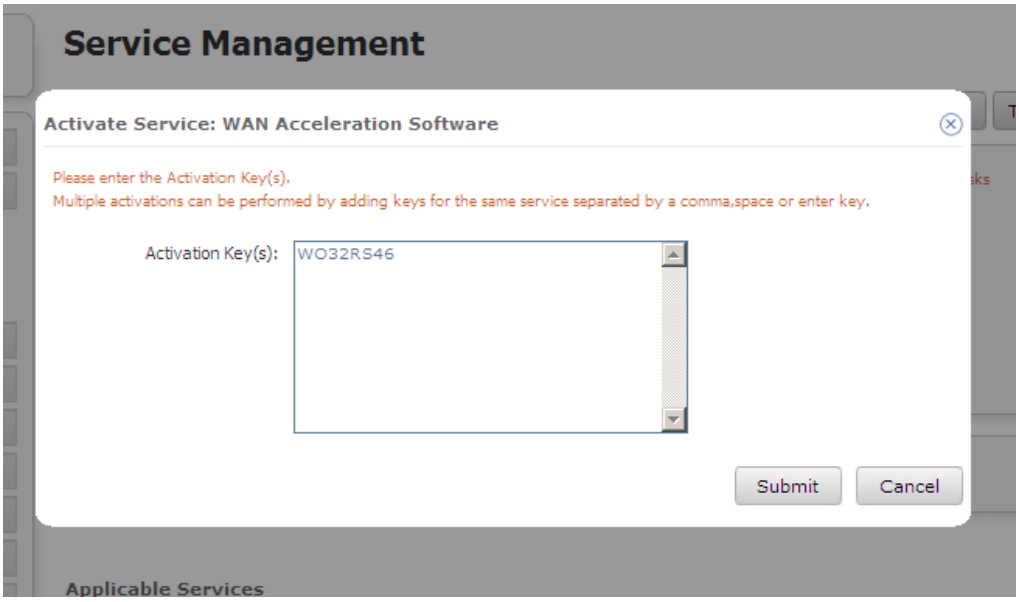


6. If you have multiple NSA/TZ appliances registered, select the one you are using with your WXA appliance.

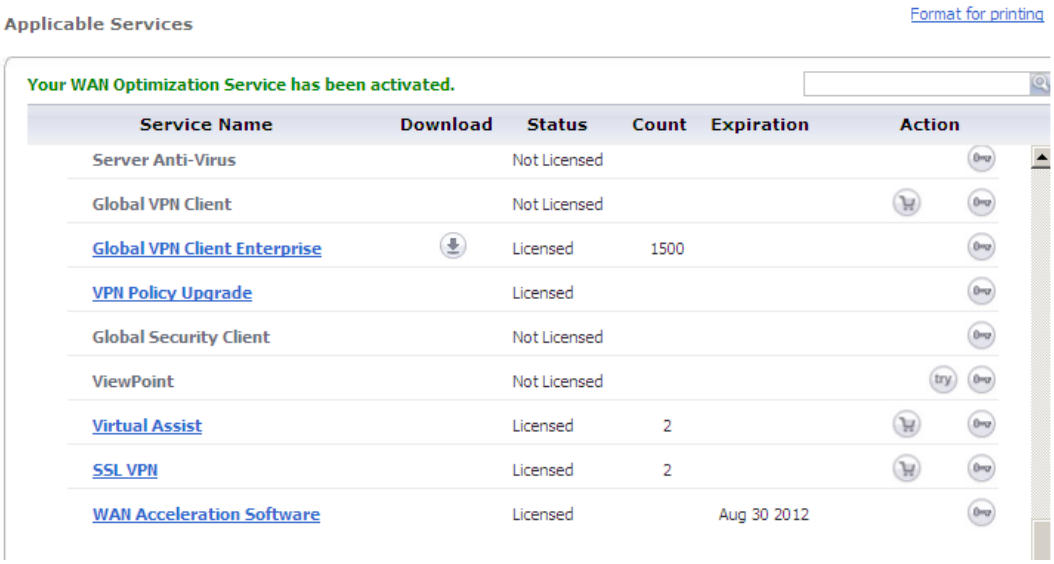


The Activate Service page displays.

7. Enter the Activation Key(s), click Submit.

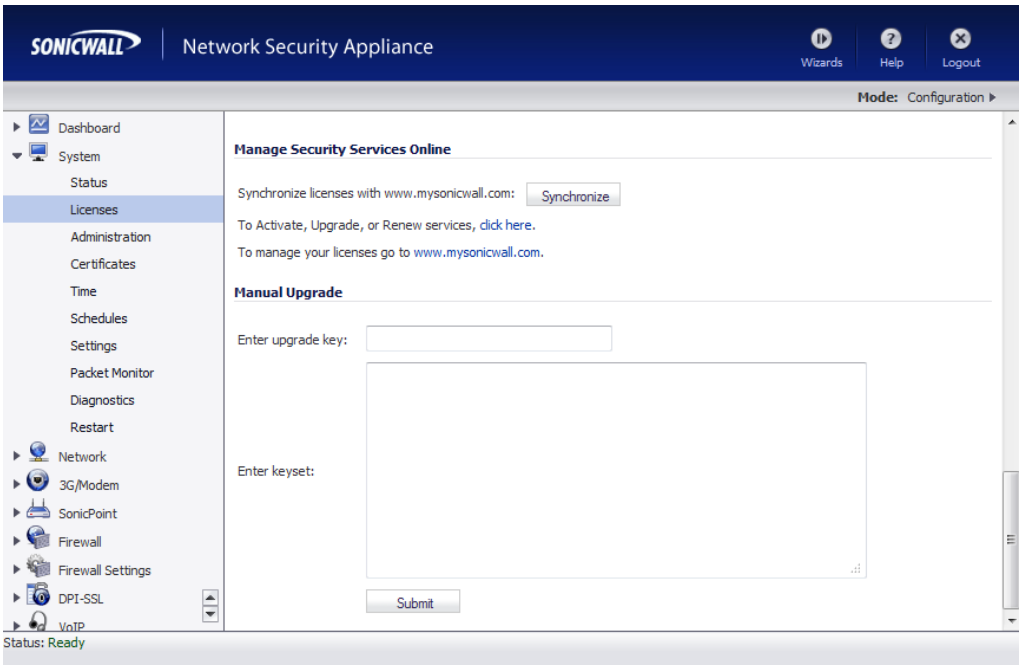

Service Management
Activate Service: WAN Acceleration Software
Please enter the Activation Key(s).
Multiple activations can be performed by adding keys for the same service separated by a comma,space or enter key.
Activation Key(s):
WO32RS46
Submit
Cancel
Applicable Services

The confirmation page displays.



You have successfully licensed your SonicWALL WXA 500 LiveCD.

8. Before accessing the WAN Acceleration page, navigate to the **System > Licenses** page and click the **Synchronize** button. This synchronizes the licenses between the License Manager and NSA/TZ appliance.



Setting up the SonicWALL WXA 500 LiveCD

To set up the SonicWALL WXA 500 LiveCD, perform the following steps:

1. Download the ISO from mysonicwall.com.
2. Burn the ISO to a CD/DVD.
3. Connect your PC to an unused interface on the SonicWALL NSA/TZ.
4. Power on your PC.
   a. Change the BIOS settings so that the CD-ROM is the first boot device.
   b. If you have a SATA Controller, change its mode to IDE emulation (if necessary). Some BIOS refer to this as Legacy or Combined mode.
5. Insert the LiveCD into the CD-ROM bay on your PC.
6. Save and Exit BIOS.

   The "**How do you wish to use the product?**" prompt displays:

SonicWALL WAN Optimization LiveCD
How do you wish to use the product ?
Run the product from CD
Install the product
*** Please choose installation type. ***

Using the SonicWALL WXA 500 LiveCD

The SonicWALL WXA 500 LiveCD can be run from the CD in Memory Mode or can be installed onto your PC in Install Mode. This section details the configuration steps for the Memory and Install Modes.

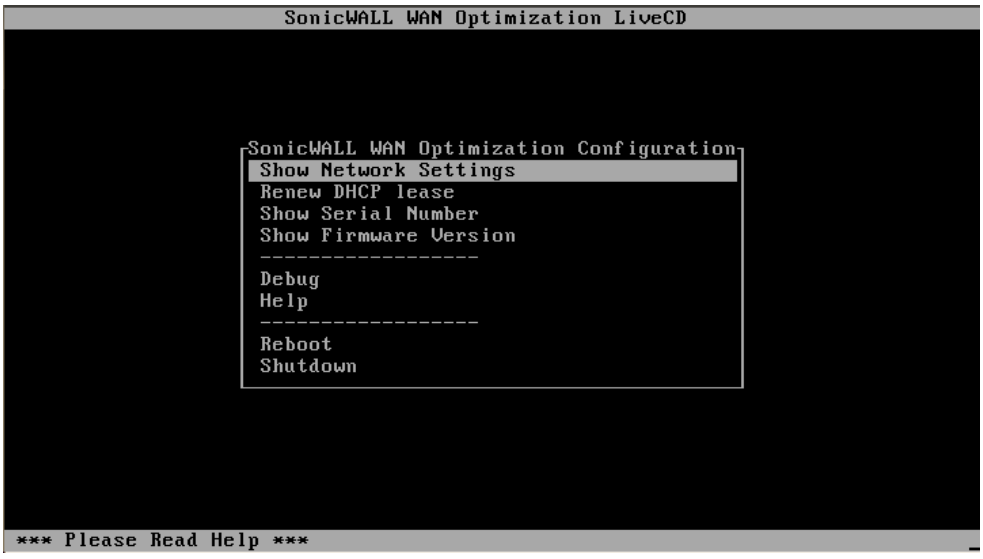
Memory Mode (Live)

Memory Mode runs the SonicWALL WXA 500 firmware entirely from the CD and does not make any changes to your PC. To configure Memory Mode on your PC, perform the following steps:

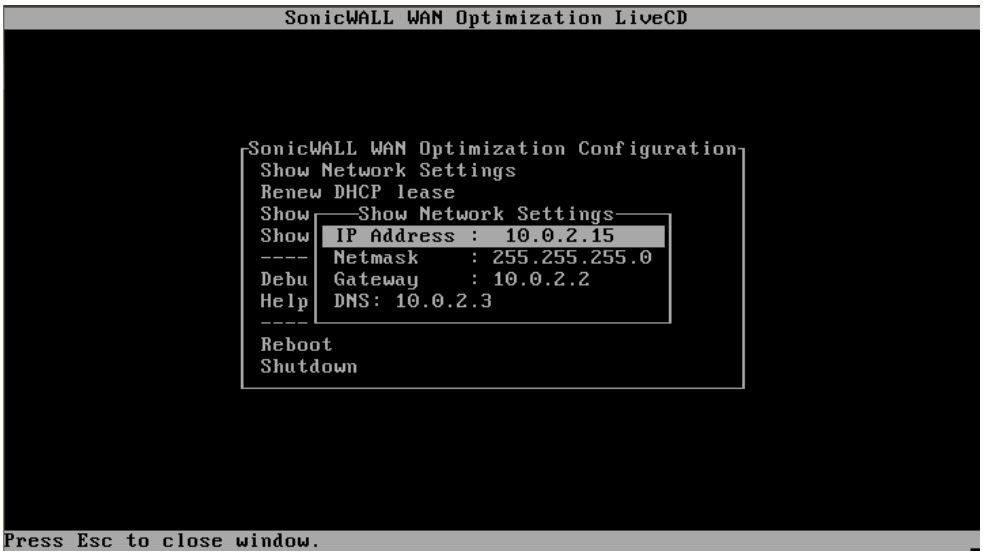
1. Select the **Run the product from CD** option, press the Enter key.

SonicWALL WAN Optimization LiveCD
How do you wish to use the product ?
Run the product from CD
Install the product
*** Please choose installation type. ***

2. The "**SonicWALL WAN Optimization Configuration**" prompt displays. Select the **Show Network Settings** option, press the Enter button.



The "**Show Network Settings**" prompt displays:



If your SonicWALL NSA/TZ series appliance is configured correctly you should see a DHCP assigned IP address. If not, check the DHCP server (following the WXA installation guide) and click the "Renew IP Address" menu item.

The SonicWALL WXA 500 LiveCD is now operational in Memory Mode.

3. Navigate to the **WAN Acceleration** tab on your SonicWALL NSA/TZ series appliance to configure the WAN Acceleration service.

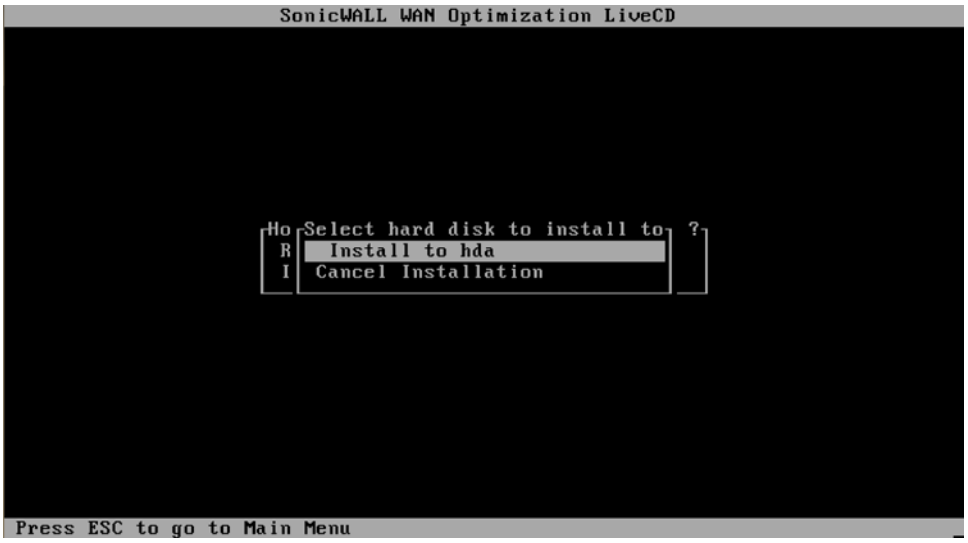
Install Mode

The Install Mode installs the SonicWALL WXA 500 LiveCD firmware onto your PC. To configure Install Mode on your PC, perform the following steps:

1. Select the **Install the Product** option.
2. Press the Enter key.

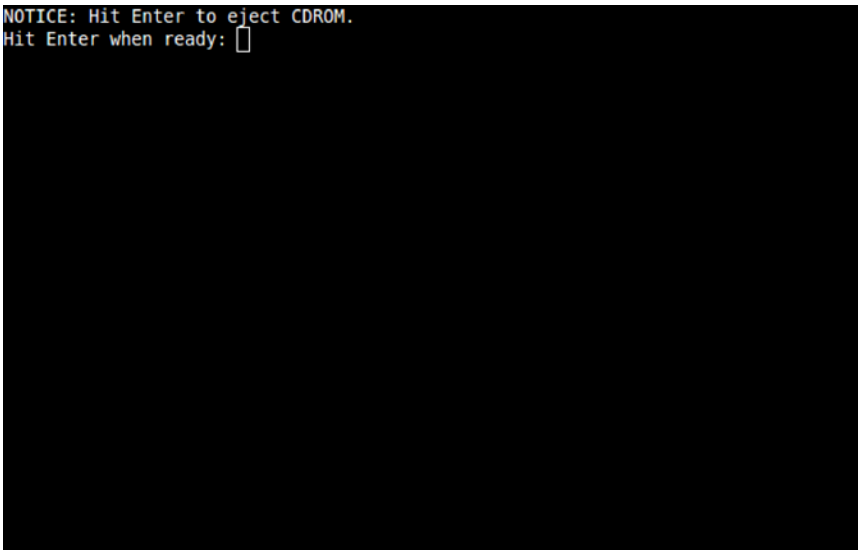
SonicWALL WAN Optimization LiveCD
How do you wish to use the product ?
Run the product from CD
Install the product
*** Please choose installation type. ***

3. The "**Select Hard Disk to install to**" prompt displays.
   Select the **Install to HDA** option, and then press the Enter key.

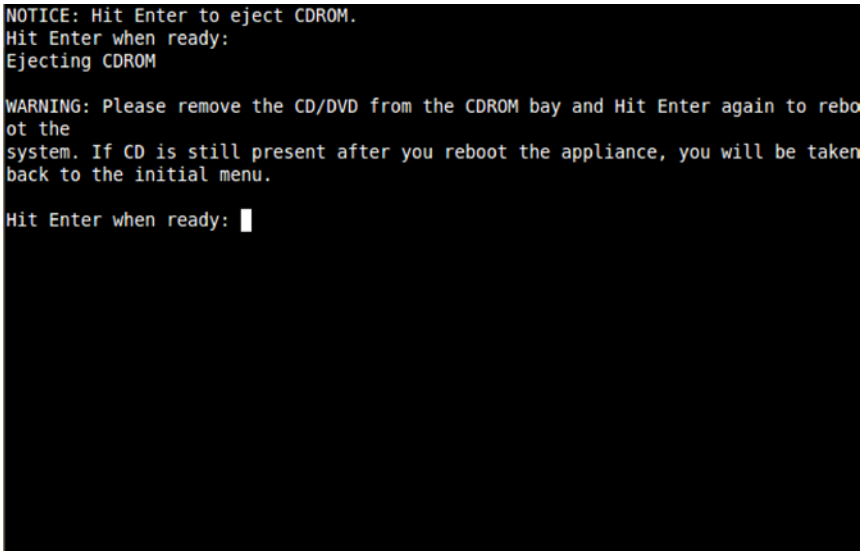

SonicWALL WAN Optimization LiveCD
Select hard disk to install to ?
Install to hda
Cancel Installation
Press ESC to go to Main Menu

The SonicWALL WXA 500 firmware is now installed on your PC.

4. The "**CD Eject**" prompt displays.
   Press the **Enter** key to eject the SonicWALL WXA 500 LiveCD from the CD-ROM drive.



5. The "**Reboot PC**" prompt displays.
   Press the Enter key to reboot your PC into the SonicWALL WXA 500 Install Mode.


NOTICE: Hit Enter to eject CDROM.
Hit Enter when ready:
Ejecting CDROM
WARNING: Please remove the CD/DVD from the CDROM bay and Hit Enter again to rebo
ot the
system. If CD is still present after you reboot the appliance, you will be taken
back to the initial menu.
Hit Enter when ready:

6. Follow steps 2-3 in the Memory Mode section of this document to complete the installation.

Glossary of Terms

- **LAN** – Local Area Network
- **DHCP** – Dynamic Host Configuration Protocol
- **ROM** – Read-Only Memory
- **RAM** – Random-Access memory
- **GB** – Gigabyte
- **SATA** – Serial Advanced Technology Attachment
- **IDE** – Integrated Development Environment
- **ISO** – International Standards Organization
- **BIOS** – Basic Input / Output System

Last updated: 9/2/2011